

# FortiWLC (SD)

Release 8.3.1

**FortiWLC-SD 8.3.1** release includes important fixes to be patched on the FortiWLC-SD 8.3.0 GA and this release notes is to be used as an addendum to the 8.3.0 GA release notes.



To ensure a secured WiFi network, Fortinet hardware (controllers and access points) are designed to run only the proprietary firmware developed by Fortinet. Only approved Fortinet access points are configurable with Fortinet controllers and vice versa. Third party access points and software cannot be configured on Fortinet hardware.

## Fixed Issues

BugID	Description
373754	The output of <code>show statistics ap-general</code> now provides the correct details.
387680	Fixed issues that caused silent reboots on FortiWLC-500D.
388249	The <code>pam.log</code> file is excluded from the diagnostics.
388397	Fixed: RSYNC hardcoded default password
409988	Fixed output of <code>traceroute</code> command in FortiWLC 1000D and FortiWLC 3000D.
409990	Fixed duplicate diagnostic files issue.
411544	The <code>sh interfaces Dot11Radio statistics</code> command correctly displays AP name in the command output.
412296	Fixed issues that prevented broadcast traffic from wireless Client to wired client & wired client to wireless clients.
412646	Fixed MIB compilation issues with FortiWLC controllers.
413746, 410873, 413809	Fixed various issues that caused hostapd crashes.
393292	Removed core account usage on AP firmware.
400676	Fixed incorrect AP Id entries in the station log.
401680	Fixed restart issues with redis-server. This is <b>not</b> applicable for FortiWLC-1000D and FortiWLC-3000D.
410004	Fixed incorrect filtering of the <code>sh interfaces Ethernet ap</code> and <code>sh interfaces Dot11Radio statistics</code> output.
412640	Fixed issues that cleared AP Ids after the <code>reload-management</code> command was executed.
413369	Disassociated station entries are removed from the <code>show station all</code> command.
413803	Fixed incorrect RF band entry in the <code>sh station</code> command output.
413804	Fixed incorrect station count in <i>Stations by SSID</i> pie Chart.
414065	Get records API calls response (JSON) have comma separator between records.
416096	Fixed AP version mismatch alarm. Patch upgrade images will contain version string as "SDVersion-BUGXXXX-Data "
387851	Fixed false power module failure alarms in FortiWLC-500D.
407135	Fixed issue that resulted in the increase of memory usage causing wncagent restart.
414092	Fixed hostapd crash issues in FortiWLC-200D.
409095	Fixed issues that resulted in wncagent process restart.
404249, 415895	Config files with special character do not affect upgrade process.
411284	Fixed issues that reset IP config for AP832 after site survey configuration.

BugID	Description
416296	System diagnostic option can now collect logs for FAP models.
416983	Fixed issues that caused kernel crash after nplus1 failover operation.
416097	Fixed FAP reboot issues. This was a random reboot issue that occurred with message “Unable to handle kernel NULL pointer dereference at virtual address 00000a5e”.
414579	Fixed the issue where running the cat /proc/meru/kcomm/mailboxes command continuously, goes into a loop and requires a manual abort.
421100	Fixed the AP upgrade failure with large deployments and congested network, which resulted in AP disabled/online for long duration (~30 mins)
422131	Fixed hostapd crash seen with wireless client having certificate size more than 1200bytes.
416096	AP patch can be installed with auto-ap-upgrade on; also AP version mismatch alarms will not be triggered when a AP patch is installed.
434457	Unable to use DFS channels with country code Switzerland on AP822v2 is fixed
434843	Fixed the issue of auto-power functionality not working when ARRP is configured in a feature group
434626	Mismatch in AP group id after controller upgrade is fixed.
424187	Fixed the issue of the wncagent going into a restart loop and then crashing, leading to configuration loss.

## Known Issues & Limitations

Bug ID	Description
413811	Occasionally seen Hostapd crash and restart <b>Impact</b> Hostapd process recovers automatically with a restart. Existing clients have no impact. New client authentication and accounting maybe impacted temporarily for 4-8seconds during the restart.
421078	Hostapd process crash results in large size core file on 1000D/3000D <b>Impact</b> No impact on System Director operations. The available log storage is more than 20GB (SSD) on 1000D/3000D. Additionally, There is also a log rotate functionality which restricts the number of core files to 10.
416292	sh station output seen in 2 lines, with VLAN Pool introduced for the ESS Profiles
433847	8.3.0 1000D & 3000D WLCs cannot be upgraded using 8.3.1 WLM, as SFTP is not supported in 8.3.0 WLC.
436942	Random low level memory usage spikes occur, when polling mailbox status.

**AP upgrade recommendation for this release:** With auto AP upgrade enabled, AP upgrade takes considerable time. Few of the APs may remain inaccessible to controller for 30 minutes or more. One of the reasons is due to network congestion, which results in long wait times for firmware download. *It is recommended that AP upgrades be done in batches of 100, with auto AP upgrade disabled.* From next AP upgrade, we should not face AP inaccessibility for long durations during upgrade.

# SFP Transceivers Supported for FortiWLC-1000D and FortiWLC-3000D

This table lists the SFP transceivers supported for the FortiWLC-1000D and FortiWLC-3000D.

Supplier	Type	Part Numbers	Supported in FortiWLC-1000D	Supported in FortiWLC -3000D
Intel	DUAL RATE 1G/10G SFP+ SR (bailed)	FTLX8571D3BCV-IT	Yes	Yes
Finisar	SFP+ SR bailed, 10g single rate	FTLX8571D3BCL	Yes	Yes
Avago	10GBASE-SR/SW, SFP+	AFBR-709ASMZ	Yes	Yes
Finisar	DUAL RATE 1G/10G SFP+	FTLX8571D3BCV	Yes	Yes
HP	1000BASE-SX SFP	SFP SX J4858C	Yes	No
Finisar	SFP+ SR, 10g single rate	FTLX 8574D3BCL	Yes	Yes
Axcen	SFP, 1000SX	AXGE-5854-0511	Yes	No
Axcen	SFP, 1000SX	AX16020001566	Yes	No
Dlink	1GB Copper	DGS712	Yes	No
AVAGO	1GB Fiber	AFBR-5710PZ	Yes	No
Fiberxon 1	1GB Fiber	FTM-8012C-SL	Yes	No
Fiberxon 2	1GB Fiber	FTM-8012-SLG	Yes	No
Agilent	1GB Fiber	HFBR 5710L	Yes	No
Picolight	1GB Fiber	PL-XPL-VC-S13-11	Yes	No
JDSU	10GB Fiber	PLRXPL-SC-S43-22-N	Yes	Yes
AXCEN	10GB Fiber	AXXE-5886-05B1	Yes	Yes
Finisar	1GB Copper	FCLF-8521-3	Yes	Yes
Finisar	1GB Copper	FCLF-8521P2BTL	Yes	Yes
Avago	Dual Rate 10GBASE-SR/1000BASE-SX	AFBR-709DMZ	No	Yes
Finisar	DUAL RATE 1G/10G SFP+	FTLX8574D3BCVxxx	No	Yes

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